[illegible]　[illegible]

1.1.1 [illegible] [illegible]&1.1.2 [illegible]

[illegible]
XUE XI MU BIAO

1. [illegible].

2. [illegible]“[illegible] p [illegible] q” [illegible].

3. [illegible].

[illegible]

NEI RONG SUO YIN

[illegible]

[illegible]

[illegible]

[illegible]

1 [illegible]

[illegible]

[illegible]

- [illegible]______[illegible]. [illegible]
- [illegible]
  - [illegible]___[illegible]. [illegible]
  - [illegible]___[illegible]. [illegible]
- [illegible]“[illegible] p [illegible] q”. [illegible] p [illegible]______[illegible] q [illegible]. [illegible]

[illegible]

[illegible].

[illegible]

[illegible]	[illegible]	[illegible]
[illegible]	[illegible] p [illegible] q	
[illegible]	[illegible] q [illegible] p	[illegible]
[illegible]	[illegible] $\neg p$ [illegible] $\neg q$	[illegible]
[illegible]	[illegible] $\neg q$ [illegible] $\neg p$	[illegible]

[illegible] "$\neg p$" [illegible] "[illegible] p" [illegible] p [illegible].

[illegible] [illegible]

SI KAO BIAN XI PAN DUAN ZHENG WU

1. [illegible].(　　) √

2. [illegible].(　　) ×

3. [illegible]“[illegible] p [illegible] q”[illegible].(　　) √

4. [illegible]“[illegible] $a>b$ [illegible] $a^2>b^2$”[illegible]“[illegible] $a<b$ [illegible] $a^2<b^2$”.(　　) ×

[illegible]

2 [illegible]

[illegible]

[illegible] 1 [illegible]

[illegible] 1 [illegible].

(1)$\frac{\pi}{3}$[illegible]

[illegible] “$\frac{\pi}{3}$[illegible]” [illegible].

(2)$3x^2\leq 5$□

□　□□□□□□“$3x^2\leq 5$”□□□□□□□□□□□□□.

(3)□□□□□□□□□□□□

□　“□□□□□□□□□□□□”□□□□□□□□□□□□□.

(4)□$x\in\mathbf{R}$□□x^2□$4x$□$5\geq 0$□

□　“□$x\in\mathbf{R}$□□x^2□$4x$□$5\geq 0$”□□□□□□□□□□□□□□□□□□□□.

(5) [illegible]

[illegible] “[illegible]”[illegible].

(6) [illegible] a [illegible] b [illegible] ab [illegible].

[illegible] “[illegible] a [illegible] b [illegible] ab [illegible]”[illegible].

[illegible]

[illegible]

(1) [illegible].

(2) [illegible].

□□□□ 1　□□□□□□□□□ ________.(□□□)　①④

① □□□□□□□□□□□□　　② □□□□□□□

③ $2^{2\,020}$ □□□□□□□□　　④ 4 □□□ $\{2,3,4\}$ □□□□□

⑤ □$\triangle ABC \cong \triangle A'B'C'$.

□□　① □□□□□□□□□□□□

② □□□□□□

③ □□□□□□□

④ □□□□□□□□□□□□

⑤ □□□□□.

□□□□2　□□□□□□□

□2　□□□□□□□

①□$a>b$□□$2^a>2^b$□

②□□“□a□b□□□□□□a□b□□□□”□□□□□

③□□x□$\frac{\pi}{2}$□□□y□$\sin x$□□□□□□.

□□□□□□□□ ①③ .(□□□)

□□　□□□□$f(x)$□2^x□□□□□①□□□□□

□□□y□$\sin x$□□□□□□□x□$\frac{\pi}{2}$□$k\pi$□$k\in\mathbf{Z}$□□③□□□□□

□a□$\sqrt{2}$□b□□$\sqrt{2}$□a□b□0□□□□□□□②□□□□.

[illegible]

[illegible]. [illegible]
[illegible].

[illegible] 2 [illegible]

① [illegible] $k>0$ [illegible] x^2 [illegible] $2x$ [illegible] k [illegible] 0 [illegible]

② [illegible] $a>b>0$ [illegible] $c>d>0$ [illegible] $ac>bd$ [illegible]

③ [illegible]

④ [illegible] xy [illegible] 0 [illegible] x [illegible] y [illegible] 0.

[illegible] ①②④ ________.([illegible])

[illegible] ①[illegible] $k>0$ [illegible] Δ [illegible] 4 [illegible] $4($[illegible] $k)$ [illegible] 4 [illegible] $4k>0$ [illegible]①[illegible]

② [illegible]②[illegible]

③ [illegible]③[illegible]

④ [illegible]④[illegible].

[illegible]

[illegible]3 [illegible]“[illegible] p [illegible] q” [illegible].

(1) [illegible] 6 [illegible] 3 [illegible] 2 [illegible]

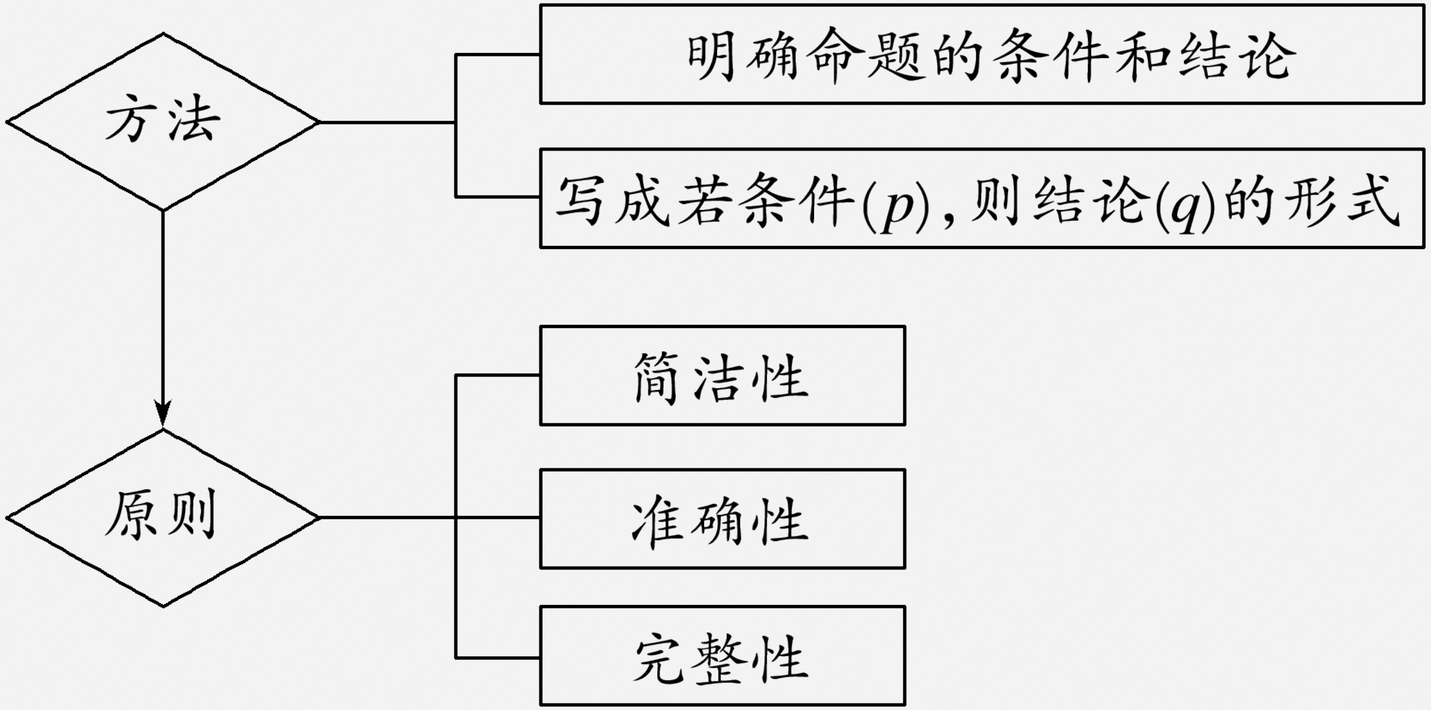
[illegible] [illegible] 6 [illegible] 3 [illegible] 2 [illegible]. [illegible].

(2) [illegible].

[illegible] [illegible].

□□□
□

□□□□□□“□ p □□ q” □□□□□□□□



□□□□ 3　□□□□□□□□□□p□□□q□□□□□□□□□□.

(1)□□□□□□□□□□□□□□□□□□□□□□

□　□□p□□□□□□□□□□□

□□q□□□□□□□□□□□□.□□□.

(2)□$a>0$□$b>0$□□a□$b>0$□

□　□□p□$a>0$□$b>0$□

□□q□a□$b>0$.□□□.

(3) [illegible].

[illegible] [illegible] p [illegible]

[illegible] q [illegible]. [illegible].

□□□□□□□□□□□□

□**4**　□□□□□□□□□□□□□□□□□□□□□□□□.

(1)□ $\sin\alpha$□$\frac{1}{2}$□ □ $\tan\alpha$□$\sqrt{3}$□

□　□ □ □ □ □ $\tan\alpha$□$\sqrt{3}$□ □ $\sin\alpha$□$\frac{1}{2}$.

□ □ □ □ □ $\sin\alpha\neq\frac{1}{2}$□ □ $\tan\alpha\neq\sqrt{3}$.

□ □ □ □ □ □ $\tan\alpha\neq\sqrt{3}$□ □ $\sin\alpha\neq\frac{1}{2}$.

(2) [illegible]

[illegible] [illegible].

[illegible].

[illegible].

(3) □ $1<x<2$ □□ x^2 □ $3x$ □ $2<0$.

□ □□□□□ x^2 □ $3x$ □ $2<0$ □□ $1<x<2$.

□□□□□ $x\leq 1$ □ $x\geq 2$ □□ x^2 □ $3x$ □ $2\geq 0$.

□□□□□□ x^2 □ $3x$ □ $2\geq 0$ □□ $x\leq 1$ □ $x\geq 2$.

[illegible]

[illegible]

(1) [illegible].

(2) [illegible].

(3) [illegible].

[illegible] 4 [illegible]

① [illegible]

② [illegible]

③ [illegible]

④ [illegible]

⑤ [illegible]

⑥ [illegible].

[illegible] ② [illegible]④[illegible]③[illegible]⑥ [illegible] ① [illegible]⑥[illegible]②[illegible]⑤ [illegible]

① [illegible]③[illegible]④[illegible]⑤ .([illegible])

[illegible] [illegible]③[illegible]“[illegible]”[illegible]

[illegible]④[illegible]“[illegible]”[illegible]

[illegible]⑤[illegible]“[illegible]”[illegible].

□□□□□□□□□□

□□　“□□ $c>0$ □□ $a>b$ □□ $ac>bc$”. □□□□□□□“□ p □□ q” □□□□□□□□□□□□□□

.

□　□□□□“□ p □□ q” □□□□□□ $c>0$ □□ $a>b$ □□ $ac>bc$ □□□□□□□□ $c>0$ □□ $a\le b$ □□ $ac\le bc$.

[illegible]

(1) [illegible]“[illegible] p [illegible] q” [illegible]“[illegible] p [illegible] q” [illegible].

(2) [illegible].

返回

3

PART THREE

[illegible]

1. [illegible]

A. $2x$ [illegible] $5 \geq 0$

B. [illegible]

√ C. 0 [illegible]

D. [illegible]

[illegible] [illegible] C [illegible].

2.□□□□□□□□□□

√ A.□ $\frac{1}{x}$□ $\frac{1}{y}$□□ x□ y

B.□ x^2□ 1□□ x□ 1

C.□ x□ y□□ $\sqrt{x}$□ $\sqrt{y}$

D.□ $x<y$□□ $x^2<y^2$

□□ □□A□□ $\frac{1}{x}$□ $\frac{1}{y}$□□ x□ y□

□□B□□ x^2□1□□ x□±1□

□□C□□ x□ $y<0$□□ $\sqrt{x}$□ $\sqrt{y}$□□□□□

□□D□□ x□□2□ y□□1□□□ $x<y$□□ $x^2>y^2$. □□A.

3. [illegible] α [illegible] $x<3$ [illegible] $x<5$ [illegible] β [illegible] $x\geq 3$ [illegible] $x\geq 5$ [illegible] α [illegible] β [illegible]

A. [illegible]　　　　B. [illegible]

C. [illegible]　　　　D. [illegible] √

[illegible] [illegible] α [illegible] $x<3$ [illegible] $x<5$ [illegible]

[illegible] β [illegible] $x\geq 3$ [illegible] $x\geq 5$ [illegible] α [illegible] α [illegible] β [illegible].

4. □□ p □“□□□□ x □ $3\geq 0$ □□□□ A □□ $a\in A$ □□□□□□ a □□□□□□

_____(□∞□□ 3)_____.”

□□　∵ x□$3\geq 0$□

∴A□$\{x|x\geq$□$3\}$.

□∵ $a\in A$ □□□□□□ $a\notin A$□

∴$a<$□3.

5. [illegible]“[illegible]”[illegible] ______ [illegible] ______ [illegible]

______ [illegible](填“[illegible]”或“[illegible]”)[illegible].

[illegible]
KE TANG XIAO JIE

1. [illegible]

(1) [illegible].

(2) [illegible].

2. [illegible].

3. [illegible].

返回

4

PART FOUR

[illegible]

1. [illegible]

①$f(x)$[illegible]$3^x(x\in\mathbf{R})$[illegible] ② x^2[illegible]$2x$[illegible]$1>0$[illegible]

③ [illegible] $\{a$[illegible]b[illegible]$c\}$[illegible]3[illegible] ④[illegible] ⑤ sin 45°[illegible]1.

[illegible]

A.1　B.2　C.3 √ D.4

[illegible]　[illegible]①③⑤[illegible].

2. □□□□□□□□

A. □□“□□□□”□□□□□□□□□“□□”□“□□”

B. □□“□□□□□□□100 ℃□□□□”□□□□

C. □□“□□□□□□□□□□□□□□”□□□□

√ D. □□“□ $a>4$ □□□□ x^2 □ $4x$ □ a □ 0 □□□”□□□□

□□ □□A□□□□“□ p □□ q” □□□□□“□□□□□□□□□□□□□□□□”□

□□B□□□□□□□□□

□□C□□□□□□“□□□□3□□□□□□□□□□3□□□2□□□□□□□□□□□□□□□□□□□□□□□

□□□”□□□.

3. [illegible]“[illegible]”[illegible]

A. [illegible]　　B. [illegible]

C. [illegible]　　D. [illegible] √

[illegible]　[illegible]“[illegible]”[illegible] D.

4.□□□□□□□□□□□□

①□□□□□□□□□□□□□□□ ②□ xy □ 0 □□ $|x|$ □ $|y|$ □ 0 □

③□ $a>b$ □□ a □ $c>b$ □ c □ ④□□□□□□□□□□.

A.1 B.2 C.3 D.4

□□ ①□□

② □□ x □ 3 □ y □ 0 □□ xy □ 0 □□ $|x|$ □ $|y|\neq 0$ □□②□□

③ □□□

④ □□□□□□□□□□□□□□□□□□□.

5. □□“□ $x^2<2$，□□□ $3<x<3$” □□□□□□

A. □ $x^2\geq 2$，□□ $x\geq 3$ □ $x\leq$ □3

B. □□ $3<x<3$，□□ $x^2<2$

C. □ $x\geq 3$ □ $x\leq$ □3，□□ $x^2>2$

D. □ $x\geq 3$ □ $x\leq$ □3，□□ $x^2\geq 2$ √

□□　□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□. □□□□□□□□□□“□ $x\geq 3$ □ $x\leq$ □3，□□ $x^2\geq 2$”.

6. [illegible]“[illegible]”[illegible]“[illegible]”[illegible]________.([illegible]“[illegible]”“[illegible]”“[illegible]”)

[illegible]

[illegible] [illegible].

7. □□□“□□ x □□□□□□□ x^2 □ x □ a □ 0 □□□”□□ a □□□□□□

(□ ∞ □ $\frac{1}{4}$] ________________.

□□ □□□□□ Δ □ 1 □ $4a\geq 0$ □

$\therefore a\leq \frac{1}{4}$.

8. [illegible]

① [illegible] π [illegible]

②0 [illegible]

③2 [illegible] 3 [illegible]

④ [illegible].

[illegible] ② [illegible] ①③.

[illegible] ②[illegible].

①③ [illegible].

[illegible]④[illegible].

9. □□□□“□ x^2 □ y^2 □ 0 □□ x □ y □□ 0” □□□□□□□□□□□□□□□□□□□□□.

□ □□□□□ x □ y □□ 0 □□ x^2 □ y^2 □ 0 □□□□□□
□□□□□ x^2 □ $y^2 \neq 0$ □□ x □ y □□□ 0 □□□□□□
□□□□□□ x □ y □□□ 0 □□ x^2 □ $y^2 \neq 0$ □□□□□.

10. [illegible]“[illegible] p [illegible] q” [illegible].

(1) [illegible] n [illegible] (n≥3) [illegible] n [illegible]

[illegible] [illegible] n [illegible] n [illegible] n [illegible].

(2) [illegible]

[illegible] [illegible].

(3) □□ x □ y □□□□□□ y □ x □ 5 □□ y □□ 3 □ x □ 2.

□　□□ x □ y □□□□□□ y □ x □ 5 □□ y □□ 3 □ x □ 2 □□□□□ .

11. □□□□□□□□□□□□□□

A. y □ $\sin^2 x$ □□□□□□□ 2π

√ B. □□□ ax^2 □ bx □ c □ $0(a\neq 0)$ □□□□□□□ $\frac{c}{a}>0$

C. □□ $M\subseteq N$ □□□ $M\cup N$ □ M

D. □ $\triangle ABC$ □□□ $\overrightarrow{AB}\cdot\overrightarrow{BC}>0$ □□□□ B □□□

□□ A□□y□$\sin^2 x$□$\dfrac{1□\cos 2x}{2}$□□□□□□□□□π□A□□□□

B□□□

C□□□□$M\subseteq N$□□□$M\cup N$□N□□C□□□□

D□□□$\triangle ABC$□□□$\overrightarrow{AB}\cdot\overrightarrow{BC}>0$□□□□$B$□□□□□D□□□□.

12. □□“□$\angle C$□90°□□$\triangle ABC$□□□□□□”□□□□□______□□.(□“□”“□”)

□

□□ □□□□“□$\angle C$□90°□□$\triangle ABC$□□□□□□”□

□□□□□“□$\angle C \neq 90^\circ$□□$\triangle ABC$□□□□□□□”□□□□□.

13.□□□“□ $a>b$□□ $\frac{1}{a}<\frac{1}{b}$”□□□□□□□ a□ b□□□□□

____1 □□ 1(□□□□□)____.

□□ □□□□ a □□ b □□□□□□□.

□ $a>0>b$□□ $\frac{1}{a}>0>\frac{1}{b}$.

14. □□□□ p □□□ x □□□ y □ x^2 □ $3ax$ □ 4 □ [1 □□∞) □□□□□□□□ q □

$\left(\frac{1}{2}\right.$□ $\left.\frac{2}{3}\right]$

y □ $(2a$ □ $1)^x$ □□□□□□ p □ q □□□□□□□ a □□□□□□ ________.

□ □　□ □ p □ □ □ $\frac{3a}{2}\leq 1$ □ □ $a\leq\frac{2}{3}$.

□ y □ $(2a$ □ $1)^x$ □□□□□□ $0<2a$ □ $1<1$ □

□ $\frac{1}{2}<a<1$.

□ p □ q □ □ □ □ □ □ $\frac{1}{2}<a\leq\frac{2}{3}$.

15.□□□□“□$2m$□$1<x<3m$□2□□$1<x<3$”□□□□□□□□□m□□□

□□□ [$\frac{1}{3}$□ 1]________.

□□ □□□□□□$1<x<3$□□$2m$□$1<x<3m$□2.

□□□□□□□□□□□ $\begin{cases}2m□1\le 1□\\3m□2\ge 3□\end{cases}$ □□$\frac{1}{3}\le m\le 1$□

□ m□□□□□□$\left[\frac{1}{3}□1\right]$.

16. [illegible] A [illegible] $5x$ [illegible] $1>a$ [illegible] B [illegible] $x>1$ [illegible] a [illegible] A [illegible] B [illegible]“[illegible] p [illegible] q” [illegible].

□ □□ A□ p□□□□“□ p□□ q”□“□ $x>\frac{1□a}{5}$□□ $x>1$”□

□□□□□□□□□ $\frac{1□a}{5}\geq 1$□□□ $a\geq 4$□

□□ B□ p□□□□“□ p□□ q”□“□ $x>1$□□ $x>\frac{1□a}{5}$”□

□□□□□□□□□ $\frac{1□a}{5}\leq 1$□□□ $a\leq 4$.

□ a □□□□□□□□□□ A□ B □□□□□□□□□□□□ a □ 1 □□□□□“□ $x>1$ □□ $x>\frac{2}{5}$”.